XP-002215125

AN - 1994-024345 [03]
AP - SU19904837012 19900425
CPY - ISHK-I
DC - S03
FS - EPI
IC - G01N27/02
IN - ISHKOV A P
MC - S03-E02D
PA - (ISHK-I) ISHKOV A P
PN - SU1784898 A1 19921230 DW199403 G01N27/02 003pp
PR - SU19904837012 19900425
XIC - G01N-027/02
XP - N1994-018877

AB - SU1784898 A conductance meter is immersed in test liq. until submersion of an external electrode (2) and, under the action of voltage applied from a measuring circuit through current terminals (5,6), an electric field is formed between the internal and external electrodes (1,2), which forms free electrical charges of the liq. in the inter-electrode space. The charges move to the corresp. electrode according to their own sign, causing formation of conductance current.

- The conductance current is recorded by the measuring circuit and its magnitude characterises the properties of the test liq. during a fixed form of the sensor, in particular the overall salt compsn. The resistance of the sensor is inversely proportional to the conductivity of the test liq.

- USE/ADVANTAGE - Express analysis of overall salinity of ground water in shafts. Better reliability and accuracy of measurement. Bul. 48/30.12.92

- (Dwg.1/1)

IW - CONDUCTING METER ELECTROCHEMICAL ANALYSE MATERIAL SPHERE INNER OUTER ELECTRODE MEASURE CIRCUIT MEASURE CONDUCTING CURRENT CHARACTERISTIC SALINE

IKW - CONDUCTING METER ELECTROCHEMICAL ANALYSE MATERIAL SPHERE INNER OUTER ELECTRODE MEASURE CIRCUIT MEASURE CONDUCTING CURRENT CHARACTERISTIC SALINE

INW - ISHKOV A P
NC - 001
OPD - 1990-04-25
ORD - 1992-12-30
PAW - (ISHK-I) ISHKOV A P
TI - Conductance meter for electrochemical analysis of materials - has spherical inner and outer electrodes and uses measuring circuit to measure conductance current characterising salinity